Curriculum vitae resume (last update December 2020)

Personal information

Full Name: Maryam Balali
Place of birth: Tehran-Iran
Nationality : Iranian
Gender : Female
Date of Birth : September,19.1984
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I. Education:

1. « Maser degree : *Cellular and Molecular Biology -Azad University, Yazd, Iran 2011*

Thespis Topic *:* ***Investigation of common mitochondrial mutations in MT-RNR1 and MT-TL1 genes in Iranian deafness who applicant cochlear implantation.***

2. « Bachelor degree : *General Biology* ***;*** *Basic Science Faculty* ***;*** *Islamic Azad University Tehran North Branch Tehran, Iran, 2003-2005*

- *I have a great enthusiasm in doing research in the Biotechnology; Genetics and cellular biology, where my creative initiative, ideas and a genuine enthusiasm would allow me to progress.*

II. Work Experience:

1-2008 till 2009: Work as a researcher in Faculty of social science, Tehran university, Tehran, Iran
2-2009 till 2013: Work as researcher, Special Medical Center, Tehran, Iran
3-2009 till 2012: Molecular Genetics Lab, Special Medical Center, Tehran, Iran
4-2013 till now: work as a researcher in ENT and Head & Neck Research Center Rasoul Akram Hospital, Iran University of Medical Sciences, Tehran, Iran

III.Publications:

1- ***M. Balali****, o. Aryani, S. Saber, M. Houshmand. New mutation in Notch3 gene of CADASIL in Iranian patients, (European Journal of Human Genetics, Volume19, supplement 2, May 2011)*
2- *S. Saber, K. Banihashemi, M. Houshmand,* ***M. Balali****, S. Dadgar, O. Aryani A. Fazelifar, M. Haghjoo, Z. Emkanjoo, A. Alizadeh, M. Eftekharzadeh, E. V. Zaklyazminskaya. The prevalence of SCN5A mutation in Iranian Brugada Syndrome patients. (European Journal of Human Genetics, Volume19, supplement 2, May 2011)*
3- ***M. Balali****, O. Ariani, S. Saber, V. Ghodsinejadkalahroudi, M. Houshmand, Investigation of Notch3 in CASADIL in 10 patients in Iran. (European Journal of Human Genetics, Volume20, supplement 2, June 2012)*

4- *V. Ghodsinejadkalahroudi, A. Arastehkani, **M. Balali,** O. Aryani, M. Houshmand ; Investigation of Familial Mediterranean fever (FMF) in 25 Iranian patients. (European Journal of Human Genetics, Volume20, supplement 2, June 2012)*

5- *M. Falah, M. Houshmand, Y. Ghavami, **M. Balali**, M. Farhadi, Profile of Iranian Genome variation of connexin 31 gene. (European Journal of Human Genetics, Volume20, supplement 2, June 2012)*

6- *Houshmand.M, O.Ariani, S.Saber, M.Balali, Diagnostic protocols ,Winter 2012*

7- ***M. Balali**, B. Kamalidehghan, M. Farhadi, F. Ahmadipour, M. Dehghani Ashkezari, M. Rezaei Hemami, H. Arabzadeh, M. Falah, G. Yong Meng, M. Houshmand, Association of nuclear and mitochondrial genes with audiological examinations in Iranian patients with non aminoglycoside antibiotics-induced hearing loss. (Dove press journal, Therapeutics and Clinical Risk Management, 28 january 2016)*

8- *S. Akbaroghli, * **M. Balali**, * B. Kamalidehghan siamak saber Omid Aryani goh Yong Meng Massoud houshmand Identification of a new mutation in an Iranian family with hereditary multiple osteochondromas, (Dove press journal, Therapeutics and Clinical Risk Management,20 December 2016)*

9- *Masoumeh Falah, Massoud houshmand, Mohammad najafi, **Maryam Balali**, saeid Mahmoudian, alimohamad asghari, hessamaldin emamdjomeh, Mohammad Farhadi. The potential role for use of mitochondrial Dna copy number as predictive biomarker in presbycusis, (Dove press journal, Therapeutics and Clinical Risk Management,19 Octobr 2016)*

10- *Masoumeh Falah, Mohammad Farhadi, **Maryam Balali**, Alimohamad Asghari, Massoud Houshmand Association of genetic variations in the mitochondrial DnA control region with presbycusis. (Dove press journal, Clinical interventions in aging, 2017)*

11- *Alimohamad Asghari, Mohammad Mohseni, Ahmad Daneshi, Yasser Nasoori, Sara Rostami, **Maryam Balali** (Hindawi, International* journal of otolaryngology, 2018)

12- *Masoumeh Falah, Massoud Houshmand**, Maryam Balali**, Alimohamad Asghari, Zohreh Bagher, Rafieh Alizadeh & Mohammad Farhadi. Role of GJB2 and GJB6 in Iranian Nonsyndromic Hearing Impairment : From Molecular Analysis to Literature Reviews, (Fetal and Pediatric Pathology,19 Jun 2020)*

13- *Mohammad Farhadi, Ehsan Razmara**, Maryam Balali**, Yeganeh Hajabbas Farshchi, Masoumeh Falah, How Transmembrane Inner Ear (TMIE) plays role in the auditory system : A mystery to us, (Journal of Cellular and Molecular Medicine,7,2021)*

14- *Farzad Izadi, Aslan Ahmadi, Farideh Hosseinzadeh, Marjan Mirsalehi1, Yadollah Shakiba, Mohammad Ali Bahar, ***Maryam Balali.** Assessment of Human Leukocyte Antigen Differences between Smokers with Reinke's Edema and Those with Laryngeal Cancer, (Iranian Journal of Otorhinolaryngology, Vol.34(2), Serial No.121, Mar-2022)*

IV.Research Projects:

1- *2009 –Present SCN5a gene study on Brugada syndrome and LQT3 in Iran*
2- *2012 until 2019-screening of TMIE gene mutations in Iranian patient*
3- *2013- An investigation and comparing of cochlear implant in prelingual patients with mitochondrial and GJB2 defect*
4- *2015 -Molecular genetic study of BAK1, BCL2, ATPase6 / 8 and D-loop in presbycusis.*
5- *21017 -Comparison of HLA typing of patients with laryngeal carcinoma with hypertrophic laryngitis.*

V. Oral / Poster Presentation:

1- *S. Saber, **M. Balali**, O.Aryani, M.houshmand. The commonest GALT gene mutation in Iranian population"The second international congress on inborn metabolic disorders on Iran Tehran 7th-10th Dec 2009 (poster presentation)*
2- *Saber S, **M Balali** etal Role of Genetic Counseling and Molecular investigation in Sudden Cardiac Death, Genetic counseling and Genetic diagnosis conference (Iranian Meeting) Semnan Iran (15-17 SEP 2010) (**ORAL)***
3- ***Balali Maryam**, Aryani Omid, Saber Siamak, Akbaroghli Susan, Houshmand Massoud. Genetic diagnosis of hereditary multiple exostosis: a novel mutation in Iranian patient .3rd International Medical Genetics Conference of Kuwait (october4-6 2010) (**Second winner Poster presentation)***
4- *S. Saber, **M. Balali**, et al. Genetic diagnostics of Brugada syndrome in Iran: Mutation spectrum in SCN5a gene. 3rd International Medical Genetics Conference of Kuwait (october4-6 2010) (**ORAL** and Poster presentation)*
5- *S.Saber,K.Banihashemi,M.Houshmand,**M.Balali**,O.Aryani,A.F.Fazelifar,M.Haghjoo,M.A.SadrAmeli,Z.Emkanjoo,A.Alizadeh,M Eftekharzadeh ,A.Heidari bekavoli, E.Zaklyazminskaya ;Correlation between PR-interval duration and SCN5A mutations in Iranian patients with Brugada Syndrome (**ORAL presentation** in The 14th Congress of the International Society for Holter and Noninvasive Electrocardiology (ISHNE) in 2011 Moscow 26-28April)*
6- ***Balali M**, Aryani O, Saber S, Houshmand M : New mutation in Notch3 gene of CADASIL in Iranian patient 2011 (second medical genetic congress in Tehran, Iran*
7- ***M.Balali**, M,Farhadi, etal, The role of GJB2 mutation in Iranian patien with cochlear implant,14 th Iranian congress of audiology,(19-20 May 2015) (**ORAL)***
8- *Golab Ghadaksaz Hoda**, Balali Maryam,** etal. Synthetic Fluorescent Biosensors .2nd National seminar on the Role of Medical Basic Science on Health Promotion.2015*
9- ***M.Balali**, The role of Genetic in hearing impairment regeneration, the first international Iranian tissue engineering and regenerative Medicine congress (ITERMC (18-20 July, 2018) Tehran, Iran, (ORAL)*
10- ***M.Balali**, has been invited to participate as a panelist, the first symposioum of stem cell and tissue engineering in otolaryngology, 10 January, 2018 Tehran, Iran.*
11- ***M.Balali**, has been invited to participate as a speaker, The first symposioum of stem cell and tissue engineering in otolaryngology, 10 January, 2018 Tehran, Iran*

VI. Workshops:

1- *7th international workshop on advance diagnosis of metabolic disorders (Iranian child Neurology society (ICNS) and Medical Genetic dep.Special Medical center (3-6 September 2011)*
2- *The first Conference of Immunogenetics at primary immunodeficiency diseases (special medical center and department of research center of immunology, university of Tehran (29-30 February 2012)*
3- *BioInformatic workshop, Iranian Biological Resource Center (IBRC) Tehran, Iran (8-17 February 2012)*
4- *11th International Congress of Immunology & Allergy, international science for Immunology and Allergy, Tehran, Iran (26-29 April 2012)*
5- *The second Iranian Congress of Neuromuscular disorders (Iranian Neurological association and Institute de Myologie de Paris(iM), (7-8 July 2012)*
6- *How to use **End Note,** Tehran university of medical sciences, (15 October 2012)*

7- *How to **wright an article**, Tehran university of medical sciences, (10-11 November 2013)*

8- *4 th International symposium on molecular technology (Biotechnology in progress), Drug development and therapeutics,Shahid Beheshti University Of medical science,Neuroscience Research Center, The international cell death society, Tehran, Iran (14-16 OCT 2014)*

9- *Workshop about HLA Genotyping Real-Time PCR, by Molecular diagnostics section of Infopia, immunology Research Center of Iran University of Medical Sciences and Far Gene Pouyesh Iranian Ltd. Tehran (22 December 2015)*

10- *Genetic counseling and its role in preventing disabilities, ID : 104107- Center of Cellular and Molecular Research- Tehran- Iran (1-2 November 2017)*

11- *3rd symposium of genetics and stem cell, National Institute of genetic engineering and biotechnologie, Tehran, Iran (27th December 2017)*

12- *Gene therapy in Hemophilia, Hemophilia Center of Iran (17April 2017)*

13- *7thNational seminar on Genetic Counseling and Prevention of Disability, Tehran, Iran (28-29 November,2018)*

14- *Ethics in research, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS) (15 August 2018)*

15- *Hot Topic, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS) (10 October 20 2018)*

16- *Observational studies (cross-sectional, case-control, Cohort) (4,11 November 2018)*

17- *Interventional studies, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS) (2,9 December 2018)*

18- *Measurements in biomedical studies, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS) (6 January 2019)*

19- *Introduction to statistics and inferences, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS), (3,10 February 2019)*

20- *Errors in medical research and the best ways to manage them, ENT and Head & Neck Research Center and Department, Iran University of Medical Science (IUMS), (3,10 March 2019)*

VII. Technical skills:

1.Molecular biology: *genomic DNA extraction, Restriction Endonuclease Analysis, electrophoresis (agarose, urea acrylamide), Polymerase Chain Reaction (PCR), ARMS PCR, SSCP, RFLP, identification and design of primer, RNA extraction methods, cDNA synthesis*

2.Biochemistry: *Western Blotting, Polyacrylamide Gel Electrophoresis (PAGE), Southern Blotting*

3.Bioinformatics: *BLAST - protein and DNA sequence homology searching (NCBI), Gen Runner, Align two sequences (Codon Code Aligner, Chromas)*

4.Gene data base: *UCSC Genome Browser Home , Genatlas, HGMD ,Ensemble , etc.*

5.Statistical packages *SPSS 18.0.*
6.End Note Packages
7.Computer : *Word, Power Point, Excel, End Note, Photoshop, ICDL*
8.Language *: Advanced digree in English, Une petite quantité de français*

VIII.Memberships:

- *European Society of Human Genetics (ESHG) 2010*
- *The international cell death society 2015*
- *Iran biotechnologie society*

IX.Referees:

Professor Mohammad Farhadi
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